

**PURVEY**  
**Serial No. To Be Assigned**

*B2  
Comb.*  
rotatable about the rotation axis about said axle means and including at each end thereof a bush surrounding the axle means defining a journal bearing, each said bush being exposed to lubricant supplied to the rotor such that lubricant can pass between said bush and axle means to form therein a film, at least one of the bushes providing weight thrust bearing means operable to support the weight of the rotor, at least during wind-down, the weight thrust bearing means comprising at least one portion of said axle means tapering from a lower region of greater diameter to an upper region of lesser diameter and said bush surrounding the portion conforming to the taper and defining a combined journal and thrust bearing whereby the rotor carried by the thrust bearing is centered with respect to the axle means and supported both radially and axially.

*95*  
B 2/5. A centrifugal separator as claimed in claim 4 in which the end of the upper bush exposed to lubricant pressure has a lesser <sup>inner</sup> diameter than the upper end

D of the lower bush such that in normal operation lubricant supply pressure acts to separate the <sup>conforming</sup> ~~cooperating~~ tapered surfaces of the weight thrust bearing means.

*B* 6. A centrifugal separator as claimed in claim 4 in which the weight thrust bearing means is defined in both upper and lower bushes.--